

Scott A. Lecce

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EDUCATION

- Ph.D., 1993, University of Wisconsin-Madison, Department of Geography
Minor: Geology
Dissertation: *Fluvial response to spatial and temporal variations of stream power, Blue River, Wisconsin*
Advisor: James C. Knox
- M.A., 1988, Arizona State University, Department of Geography
Thesis: *Influence of lithology on alluvial fan morphometry, White and Inyo Mountains, California and Nevada*
Advisor: William L. Graf
- A.B., 1985, University of California, Berkeley, Department of Geography, Phi Beta Kappa

PROFESSIONAL EXPERIENCE

- 2009- **Professor**, Department of Geography, East Carolina University.
- 2002-09 **Associate Professor**, Department of Geography, East Carolina University.
- 1998-02 **Assistant Professor**, Department of Geography, East Carolina University.
- 1994-98 **Assistant Professor**, Department of Geography and Area Development, University of Southern Mississippi.
- 1993-94 **Adjunct Faculty**, Department of Geography and Geology, Indiana State University.
- 1993-94 **Lecturer**, Department of Geography, Indiana University-Purdue University at Indianapolis.
- 1991, 93 **Lecturer**, Department of Geography, University of Wisconsin-Madison.
- 1992 **Research Assistant**, Department of Geography, University of Wisconsin-Madison.
- 1988-91 **Teaching Assistant**, Department of Geography, University of Wisconsin-Madison.

1988 **Research Assistant**, Laboratory of Climatology, Arizona State University.
 1986-87 **Research Assistant**, Department of Geography, Arizona State University.
 1985-86 **Teaching Assistant**, Department of Geography, Arizona State University.

REFEREED PUBLICATIONS (student authors are underlined and in italics)
 (Google h-index: 18; 1170 citations)

35. James, L.A., **Lecce, S.A.**, Pavlowsky, R.T., (accepted). Impacts of land-use and land-cover change on river systems. In: Wohl, E. (Ed.), *Treatise on Geomorphology* 2nd edition.
34. Adams, K., Wasklewicz, T., De Haas, T., **Lecce, S.**, Gares, P., 2019. Reproducibility of debris-flow fan physical modeling experiments. Proceedings of the 7th International Conference on Debris-Flow Hazards Mitigation.
33. Magilligan, F.J., James, L.A., **Lecce, S.A.**, Dietrich, J., Kupfer, J.A., 2019. Geomorphic responses to extreme rainfall, catastrophic flooding, and dam failures across an urban to rural landscape. *Annals of the American Association of Geographers*, Published online: 26 Feb 2019. doi.org/10.1080/24694452.2018.1507814.
32. Pavlowsky, R.T., **Lecce, S.A.**, Owen, M., Martin, D.J., 2017. Legacy sediment, lead, and zinc storage in channel and floodplain deposits of the Big River, Old Lead Belt Mining District, Missouri, USA. *Geomorphology* 299, 54-75.
31. James, L.A., Phillips, J.D., **Lecce, S.A.**, 2017. A centennial tribute to G.K. Gilbert's "Hydraulic Mining Débris in the Sierra Nevada". *Geomorphology* 294, 4-19.
30. **Lecce, S.A.** and Pavlowsky, R.T. 2014. Floodplain storage of sediment contaminated by mercury and copper from historic gold mining at Gold Hill, North Carolina, USA. *Geomorphology* 206: 122-132.
29. **Lecce, S.A.** 2013. Stream power, channel change, and channel geometry in the Blue River, Wisconsin. *Physical Geography*, 34: 293-314.
28. James, L.A., **Lecce, S.A.**, 2013. Impacts of land-use and land-cover change on river systems. In: Shroder, J. (Editors in chief), Wohl, E. (Ed.), *Treatise on Geomorphology*. Academic Press, San Diego, CA, vol. 9, Fluvial Geomorphology, pp. 768–793.
27. **Lecce, S.A.**, Pavlowsky, R.T., Bassett, G.S., Martin, D.J. 2011. Trace metal contamination from gold mining in the Cid District, North Carolina. *Physical Geography* 32(5): 469-495.
26. Pavlowsky, R.T., **Lecce, S.A.**, Bassett, G.S., Martin, D.J. 2010. Legacy Hg-Cu contamination of active stream sediments in the Gold Hill Mining District, North Carolina. *Southeastern Geographer* 50(4):503-522.
25. O'Driscoll, M.A., Soban, J.R., **Lecce, S.A.** 2009. Stream channel enlargement response to urban land cover in small Coastal Plain watersheds, North Carolina. *Physical Geography* 30: 528-555.
24. **Lecce, S.A.** 2009. A depth-proportional intake device for automatic water samplers. *Journal of the American Water Resources Association* 45:272-277.

23. **Lecce, S.A.** and Kotecki, E.S. 2008. The 1999 flood of the century in eastern North Carolina: Extraordinary hydro-meteorological event or human-induced catastrophe? *Physical Geography* 29:101-120.
22. **Lecce, S.A.**, Pavlowsky, R.T., and Schlomer, G.S. 2008. Mercury contamination of active channel sediment and floodplain deposits from historic gold mining at Gold Hill, North Carolina, USA. *Environmental Geology* 55:113-121.
21. Curtis, S., Crawford, T.W., and **Lecce, S.A.** 2007. A Comparison of TRMM to Other Basin-Scale Estimates of Rainfall during the 1999 Hurricane Floyd Flood. *Natural Hazards* 43:187-198.
20. Pease P.A., **Lecce S.A.**, Gares P.A., Rigsby, C.A. 2007. Heavy metal concentrations in sediment deposits on the Tar River floodplain following Hurricane Floyd, *Environmental Geology* 51:1103-1111.
19. **Lecce, S.A.**, Gares, P.A., and Pease, P.P. 2006. Drainage ditches as sediment sinks on the Coastal Plain of North Carolina. *Physical Geography* 27:447-463.
18. **Lecce, S.A.**, Pease, P.P., Gares, P.A. and Wang, J. 2006. Seasonal controls on sediment delivery in a small coastal plain watershed, North Carolina, USA. *Geomorphology* 73:246-260.
17. **Lecce, S.A.**, Pease, P.P., Gares, P.A. and Rigsby, C.A. 2004. Floodplain sedimentation during an extreme flood: The 1999 Flood on the Tar River, eastern North Carolina. *Physical Geography* 25(4):334-346.
16. **Lecce, S.A.** and Alderman, D.H. 2004. The *Southeastern Geographer*: Looking forward, looking back. *Southeastern Geographer* 44:1-7.
15. **Lecce, S.A.** and Pavlowsky, R.T. 2004. Spatial and temporal variations in the grain-size characteristics of historical flood plain deposits, Blue River, Wisconsin, USA. *Geomorphology* 61: 361-371.
14. Pease, P.P., Gares, P.A., and **Lecce, S.A.** 2002. Eolian dust erosion from an agricultural field on the North Carolina coastal plain. *Physical Geography* 23:381-400.
13. Pease, P.P., **Lecce, S.A.**, Gares, P.A., and Lange, M. 2002. Suggestions for low-cost equipment in physical geography II: Field equipment. *Journal of Geography* 101:199-206.
12. Pease, P.P., **Lecce, S.A.**, Gares, P.A., and Lange, M. 2002. Suggestions for low-cost equipment in physical geography I: Laboratory equipment. *Journal of Geography* 101:167-175.
11. **Lecce, S.A.** and Pavlowsky, R.T. 2001. Use of mining-contaminated sediment tracers to investigate the timing and rates of historical floodplain sedimentation. *Geomorphology* 38: 85-108.
10. **Lecce, S.A.** 2000. Spatial variations in the timing of annual floods in the southeastern United States. *Journal of Hydrology* 235(3/4):151-169.
9. **Lecce, S.A.** 2000. Seasonality of flooding in North Carolina. *Southeastern Geographer* 41:168-175.
8. **Lecce, S.A.** 2000. Fallacy of the 500-year flood: A cautionary note on flood frequency analysis. *North Carolina Geographer* 8:29-40.

7. Lange, M., Lecce, S.A. and Pease, P.P. 2000. Sediment storage and drainage ditch excavation on the North Carolina Coastal Plain. *North Carolina Geographer* 8:55-63.
6. **Lecce, S.A.** 1997. Non-linear downstream changes in stream power on Wisconsin's Blue River. *Annals of the Association of American Geographers* 87(3):471-486.
5. **Lecce, S.A.** 1997. Spatial patterns of historical overbank sedimentation and floodplain evolution, Blue River, Wisconsin, *Geomorphology* 18:265-277.
4. **Lecce, S.A.** and Pavlowsky, R. T. 1997. Storage of mining-related zinc in floodplain sediments, Blue River, Wisconsin. *Physical Geography* 18(5):424-439.
3. **Lecce, S.A.** 1993. Flow separation and diurnal variations in the hydrology of Conness Glacier, Sierra Nevada, California, U.S.A. *Journal of Glaciology* 39(132):216-222.
2. **Lecce, S.A.** 1991. Influence of lithologic erodibility on alluvial fan area, western White Mountains, California and Nevada. *Earth Surface Processes and Landforms* 16:11-18.
1. **Lecce, S.A.** 1990. The alluvial fan problem. In: Rachocki, A. H. and Church, M. (Eds.), *Alluvial Fans: A Field Approach*, John Wiley and Sons, Chichester, p. 3-24.

NON-REFEREED PUBLICATIONS

7. James, L.A., Phillips, J.D., **Lecce, S.A.** 2017. Preface to anthropogenic fluvial sedimentation: Centennial celebration of G.K. Gilbert's *Hydraulic-Mining Débris in the Sierra Nevada*. *Geomorphology* 294, 1-3.
6. James, L.A., **Lecce, S.A.**, Davis, L. 2010. Introduction: Fluvial processes in small southeastern watersheds. *Southeastern Geographer* 50(4):393-396.
5. **Lecce, S.A.**, Pease, P.P., Gares, P.A., Rigsby, C.A. 2001. Sedimentation on the Tar River floodplain associated with Hurricane Floyd. In: *Facing Our Future: Hurricane Floyd and Recovery in the Coastal Plain*, Maiolo, J.R., Whitehead, J.C., McGee, M., King, L., Johnson, J., and Stone, H. (eds.), Coastal Carolina Press, Wilmington, NC, 187-193.
4. Graf, W.L., Haschenburger, J.K., **Lecce, S.A.** (Eds.). 1988. *The Salt and Gila Rivers in Central Arizona: A Geographic Field Trip Guide*, Department of Geography Publication 3, Arizona State University, 180 p.
3. **Lecce, S.A.**, The McDowell Crossing. In: Graf, W.L., Haschenburger, J.K., and Lecce, S.A. (Eds.), 1988. *The Salt and Gila Rivers in Central Arizona: A Geographic Field Trip Guide*, Chapter 5, Department of Geography Publication 3, Arizona State University, p. 76-90.
2. **Lecce, S.A.**, Gillespie Dam. In: Graf, W.L., Haschenburger, J.K., and Lecce, S.A. (Eds.), 1988. *The Salt and Gila Rivers in Central Arizona: A Geographic Field Trip Guide*, Chapter 13, Department of Geography Publication 3, Arizona State University, p. 168-180.
1. **Lecce, S.A.** 1990. Influence of lithology on alluvial fan morphometry, White and Inyo mountains, California and Nevada. *Journal of the Arizona-Nevada Academy of Science* 23(2):91.

REPORTS

2. **Lecce, S.A.**, Pease, P.P., Gares, P.A., and Rigsby, C.A. 2002. *The Aftermath of Hurricane Floyd: Assessment of the Geomorphic Effectiveness of the 1999 Flood on the Tar River, North Carolina*. Final Report for National Science Foundation Grant #0000557.
1. **Lecce, S.A.** and Pavlowsky, R.A. 2001. *Lateral Deposition and Geochemical Evolution of Mining-Related Metals in Floodplain Sediments*. Final Report for National Science Foundation Grant #9996013, 31 p.

GRANTS AWARDED

- Co-PI. 2015. *Patterns of Fluvial Sedimentation and Geomorphic Change Following an Extreme Flood Event*. National Science Foundation RAPID grant, with L. Allan James (PI) and Co-PIs John Kupfer, Frank Magilligan, and James Dietrich, \$49,341 (\$7,033 to Lecce).
- PI. 2013. *Stream Channel Adjustments in a North Carolina Piedmont Watershed*. Harriot College Summer Research Award, \$6,255.
- Co-PI. 2012. *Mining Sediment in Viburnum Trend Streams*. U.S. Fish and Wildlife Service, with Robert T. Pavlowsky (PI), \$88,113 (\$13,810 to Lecce).
- Co-PI. 2010. *Big River Mine Sediment Assessment Project*. U.S. Fish and Wildlife Service, with Robert T. Pavlowsky (PI) and Kevin Mickus (co-PI), extension, \$45,000 (\$1,198 to Lecce).
- Co-PI. 2008. *Big River Mine Sediment Assessment Project*. U.S. Fish and Wildlife Service, with Robert T. Pavlowsky (PI) and Kevin Mickus (co-PI), \$92,000, (\$15,185 to Lecce).
- PI. 2007. *Mercury Contamination of Floodplain Sediments from Historic Gold Mining in North Carolina*, National Geographic Society, Committee for Research and Exploration, \$19,581.
- PI. 2006. *Mercury Contamination of Floodplain Sediments from Historic Gold Mining in North Carolina*, Research Development Grant, Division of Research and Graduate Studies, East Carolina University, \$24,354.
- PI. 2006. *Sediment Pollution from Construction Site Erosion in an Urban Stream*, Research/Creative Activity Grant, Harriot College of Arts and Sciences, East Carolina University, \$9,411.
- PI. 2004. *Suspended Sediment Transport in an Urbanized Stream*, Research/Creative Activity Grant, Faculty Senate, East Carolina University, \$16,530.
- PI. 2002. *Sediment Transport in a Small Agricultural Watershed*, Research/Creative Activity Grant, Faculty Senate, East Carolina University, \$8,984.
- PI. 2000-02. *The Aftermath of Hurricane Floyd: Assessment of the Geomorphic Effectiveness of the 1999 Flood on the Tar River, North Carolina*, National Science Foundation, with co-PI's Patrick Pease, Paul Gares, and Catherine Rigsby, \$30,394.

- Co-PI. 2000-01. *Monitoring the Environment*, Dwight D. Eisenhower Professional Development Program, with Paul Gares (PI) and Jeff Colby (co-PI), \$29,982.
- PI. 1997-01. *Lateral Deposition and Geochemical Evolution of Mining-Related Metals in Floodplain Sediments*, National Science Foundation, with Robert T. Pavlowsky (co-PI), \$116,922.
- Co-PI. 1994-95. *Strategic Plan for the Mississippi Department of Marine Resources*, Mississippi Department of Marine Resources, with R. W. Wales (co-P.I.), G. R. Larkin (co-P.I.), and T. R. Henthorne, \$65,000.
- PI. 1987. *Influence of Lithologic Erodibility on Alluvial Fan Area, Western White Mountains, California and Nevada*, Graduate Student Association Research Development Program Grant-in-Aid, Arizona State University, \$433.
- PI. 1987. *Influence of Lithology on Alluvial Fan Morphometry, White and Inyo Mountains, California and Nevada*, Arizona-Nevada Academy of Science Grant-in-Aid, \$250.
- PI. 1986. *Alluvial Fan Morphometry*, Research Incentive Grant, Department of Geography, Arizona State University, \$450.

PRESENTATIONS

82. **Lecce, S.A.**, Marston, R.A., Oguchi, T., Stoffel, M., 2019. 33 years of publishing in Geomorphology. Annual Meeting of the Southeastern Division of the American Association of Geographers, Wilmington, NC.
81. **Lecce, S.A.**, Marston, R.A., Oguchi, T., Stoffel, M., 2019. 33 years of publishing in Geomorphology. 50th Annual Binghamton Geomorphology Symposium, Denver, CO.
80. **Lecce, S.A.**, Marston, R.A., Oguchi, T., Stoffel, M., 2019. 33 years of publishing in Geomorphology. 115th Annual Meeting of the American Association of Geographers, Washington, DC.
79. Pavlowsky, R.T., **Lecce, S.A.**, 2019. Long-term bed sediment dispersal rates using mine tailings tracers in the Ozark Highlands. 115th Annual Meeting of the American Association of Geographers, Washington, DC.
78. Adams, K., Wasklewicz, T., De Hass, T., **Lecce, S.**, Gares, P. 2018. Repeatability of Debris Flow Fan Physical Modeling Experiments. 7th International Conference on Debris-Flow Hazards Mitigation.
77. Pavlowsky, R.T., Owen, M.R., Martin, D.J., **Lecce, S.A.** 2018. Sediment Budget Approach to Assess Tailings and Lead Storage in Channel and Floodplain Deposits in Big River, Old Lead Belt, Southeast Missouri. Geological Society of America Annual Meeting, Indianapolis, IN.
76. King, D.A, Pavlowsky, R.T., Bowen, M.W., **Lecce, S.A.**, Faulkner, D.J., Jacobs, P.M., 2018. Long-term mining-zinc contamination and remediation effectiveness of stream sediments in the Galena Watershed, SW-Wisconsin and NW-Illinois. 114th Annual Meeting of the American Association of Geographers, New Orleans, LA.
75. Pavlowsky, R.T., Belby, C., Bunbury, J., King, D., **Lecce, S.A.**, 2018. *Historical mining influence on high sediment zinc and lead concentrations in Harris Slough, Mississippi*

- River near Galena, Illinois*. Upper Midwest Stream Restoration Symposium, Dubuque, Iowa.
74. Evans, K.R., Dogwiler, T.J., Faulkner, D.J., Jacobs, P.M., Kenning, B.M., **Lecce, S.A.**, and Pavlowsky, R.T., 2018. *Late Holocene raised shore platforms in southwestern Jamaica*. Annual Meeting of the North-Central Section of the Geological Society of America, Ames, Iowa.
 73. **Lecce, S.A.** and Van Horn, J. 2016. *Spatial and temporal variations in lateral channel migration, Blue River, Wisconsin*. Annual Meeting of the Southeastern Division of the Association of American Geographers, Columbia, SC.
 72. **Lecce, S.A.** and Van Horn, J. 2016. *Spatial variations in lateral channel migration, Blue River, Wisconsin*. 112th Annual Meeting of the Association of American Geographers, San Francisco, CA.
 71. Pavlowsky, R.T., Pierson, M.C., **Lecce, S.A.**, Martin, D.J. 2016. *Channel and Floodplain Management of Contaminated Legacy Sediment in Big River, Old Lead Belt, Southeast Missouri*. 112th Annual Meeting of the Association of American Geographers, San Francisco, CA.
 70. **Lecce, S.A.** and Pavlowsky, R.T. 2015. *Channel and Floodplain Storage of Sediment and Lead in the Viburnum Trend Mining District of Southeast Missouri*. Annual Meeting of the Southeastern Division of the Association of American Geographers, Pensacola, FL.
 69. **Lecce, S.A.**, Pavlowsky, R.T., and Owen, M. 2015. *Channel and Floodplain Storage of Sediment and Lead in Streams Draining the Viburnum Trend Mining District of Southeast Missouri*. 111th Annual Meeting of the Association of American Geographers, Chicago, Illinois.
 68. **Lecce, S.A.** 2014. *Channel Geometry Relationships in the Blue River, Wisconsin*. Annual Meeting of the Southeastern Division of the Association of American Geographers, Athens, Georgia.
 67. Pavlowsky, R.T., Owen, M.R., **Lecce, S.A.** 2014. *Geomorphic Controls on Alluvial Sediment Storage and Mining-metal Contamination in Viburnum Trend streams, SE Missouri*. Annual Meeting of the Southeastern Division of the Association of American Geographers, Athens, Georgia.
 66. **Lecce, S.A.** and Pavlowsky, R.T. 2014. *Floodplain Contamination in the Viburnum Trend Mining District, Missouri*. 110th Annual Meeting of the Association of American Geographers, Tampa, Florida.
 65. Pavlowsky, R.T. and **Lecce, S.A.** 2014. *Downstream changes in alluvial sediment storage and mining-metal contamination in Viburnum Trend streams, southeast Missouri*. 110th Annual Meeting of the Association of American Geographers, Tampa, Florida.
 64. Pavlowsky, R.T., Owen, M.R., **Lecce, S.A.** 2013. *Mining contamination of alluvial sediments and management implications in the Big River, Old Lead Belt, Missouri*. American Water Resources Association Annual Water Resources Conference, Portland, Oregon.
 63. **Lecce, S.A.** and Pavlowsky, R.T. 2013. *Hydraulic Geometry in a North Carolina Piedmont Watershed*. Annual Meeting of the Southeastern Division of the Association of American Geographers, Roanoke, Virginia.

62. **Lecce, S.A.** and Pavlowsky, R.T. 2013. *Contamination of Floodplain Deposits by Mining Sediment in Streams Draining the Viburnum Trend Mining District of Southeast Missouri*. 109th Annual Meeting of the Association of American Geographers, Los Angeles, California.
61. Pavlowsky, R.T. and **Lecce, S.A.** 2013. *Legacy Sediment Waves in Channel and Floodplain Deposits of an Ozarks river, SE Missouri*. 109th Annual Meeting of the Association of American Geographers, Los Angeles, California.
60. **Lecce, S.A.** 2012. *Historical Changes in Channel Geometry and Stream Power in the Blue River, Wisconsin*. Annual Meeting of the Southeastern Division of the Association of American Geographers, Ashville, North Carolina.
59. Owen, M., Pavlowsky, R.T., **Lecce, S.A.**, and Martin, D.J. 2012. *Local-Scale Variations in Floodplain Contamination by Historical Mining in the Old Lead Belt, SE Missouri*. Annual Meeting of the Southeastern Division of the Association of American Geographers, Ashville, North Carolina.
58. Pavlowsky, R.T. and **Lecce, S.A.** 2012. *Legacy Hg-Cu contamination of active stream sediments and floodplain deposits in the Gold Hill Mining District, North Carolina*. Geological Society of America Annual Meeting, Charlotte, NC.
57. **Lecce, S.A.** and Pavlowsky, R.T. 2012. *Floodplain storage of sediment contaminated by mercury and copper from historic gold mining at Gold Hill, North Carolina*. 108th Annual Meeting of the Association of American Geographers, New York, New York.
56. Pavlowsky, R.T., Owen, M.R., **Lecce, S.A.**, Olson, L.M. 2012. *Historical Disturbance and Recovery in an Ozarks River, Southeast Missouri*. 108th Annual Meeting of the Association of American Geographers, New York, New York.
55. **Lecce, S.A.** and Pavlowsky, R.T. 2011. *Floodplain Storage of Sediment Contaminated by Historic Gold Mining at Gold Hill, North Carolina*. Annual Meeting of the Southeastern Division of the Association of American Geographers, Savanna, Georgia.
54. Pavlowsky, R.T. and **Lecce, S.A.** 2011. *Downstream Changes in Historical Floodplain Sedimentation Along the Big River, Meramec Basin, Missouri Ozarks*. Geological Society of America Annual Meeting, Minneapolis, MN.
53. **Lecce, S.A.**, Pavlowsky, R.T., Owen, M., and Martin, D.J. 2011. *Storage of Lead-Contaminated Mining Sediment in the Floodplains of the Big River, Missouri*. 107th Annual Meeting of the Association of American Geographers, Seattle, Washington.
52. **Lecce, S.A.**, Pavlowsky, R.T., Owen, M., and Martin, D.J. 2010. *Storage of Mining Sediment in Floodplain Deposits of the Big River, Missouri*. Annual Meeting of the Southeastern Division of the Association of American Geographers, Birmingham, Alabama.
51. Pavlowsky, R.T., Martin, D.J., Owen, M., and **Lecce, S.A.** 2010. *Historical Disturbance and Geomorphic Recovery of Big River, Eastern Missouri*, Geological Society of America Annual Meeting, Denver, CO.
50. Pavlowsky, R.T., **Lecce, S.A.**, Owen, M.R., Martin, D.J. 2010. *Channel dispersal and storage of mining sediment in the Big River, Old Lead Belt, SE Missouri*. 106th Annual Meeting of the Association of American Geographers, Washington, DC.

49. Pavlowsky, R.T., **Lecce, S.A.**, Martin, D.J., Owen, M.R. 2010. *Preliminary report on contaminated sediment concentrations, distribution, and volume in channel and floodplain deposits of the Big River in St. Francois, Washington, and Jefferson Counties, Missouri*. Missouri Natural Resources Conference, MO.
48. Pavlowsky, R.T., **Lecce, S.A.**, Schlomer, G.J., and Martin, D.J. 2009. *Legacy of Hg-Cu contamination of active stream sediments in the Gold Hill Mining District, North Carolina*. Annual Meeting of the Southeastern Division of the Association of American Geographers, Knoxville, Tennessee.
47. Pavlowsky, R.T., **Lecce, S.A.**, Owen, M.R., Martin, D.J., Dryer, W.P., and Womble, P. 2009. *Floodplain and Channel Storage of Mining-related Lead in the Big River, Old Lead Belt, SE Missouri*. 40th Binghamton Symposium in Geomorphology: Geomorphology and Vegetation: Interactions, Dependencies, and Feedback Loops, October 2009, Virginia Tech - Blacksburg, Virginia.
46. **Lecce, S.A.** and Kotecki, E.S. 2009. *The 1999 Flood of the century: Extraordinary hydro-meteorological event or human induced catastrophe?* Hurricane Floyd Symposium: Commemorating the 10th Anniversary of Hurricane Floyd, Greenville, NC.
45. **Lecce, S.A.**, Pavlowsky, R.T. and Martin, D.J. 2009. *Fluvial Sediment Quality and Toxic Risk in a Watershed Affected by Historical Gold Mining in North Carolina*. 105th Annual Meeting of the Association of American Geographers, Las Vegas, Nevada.
44. Pavlowsky, R.T., **Lecce, S.A.**, Schlomer, G.J., and Martin, D.J. 2009. *Historical channel and floodplain evolution of Dutch Buffalo Creek, North Carolina Piedmont*. 105th Annual Meeting of the Association of American Geographers, Las Vegas, Nevada.
43. Dryer, P., Pavlowsky, R.T., **Lecce, S.A.**, and Martin, D.J. 2009. *Mining-related contamination of channel and overbank sediments in the Big River, Old Lead Belt, SE Missouri*. 105th Annual Meeting of the Association of American Geographers, Las Vegas, Nevada.
42. **Lecce, S.A.** 2008. *Trace Metal Contamination in the Cid Mining District, North Carolina*. 104th Annual Meeting of the Association of American Geographers, Boston, Massachusetts.
41. Pavlowsky, R.T., **Lecce, S.A.**, and Martin, D.J. 2008. *Dispersal of metal contaminants from historical mining by active channel sediments in a Piedmont North Carolina stream*. 104th Annual Meeting of the Association of American Geographers, Boston, Massachusetts.
40. Schlomer, G. J., Pavlowsky, R.T., **Lecce, S.A.** 2007. *Using Geochemical and Sedimentological Trends to Characterize Pre- and Post- Settlement Overbank Floodplain Deposits in a North Carolina Piedmont Watershed*. Annual Meeting of the Geological Society of America, Denver, CO, 28–31 October 2007.
39. **Lecce, S.A.**, Pavlowsky, R.T., and Schlomer, G.J. 2007. *Mercury Contamination of Floodplain Sediments from Historic Gold Mining in Gold Hill, North Carolina*. 103rd Annual Meeting of the Association of American Geographers, San Francisco, California.
38. Schlomer, G.J., Pavlowsky, R.T., and **Lecce, S.A.** 2007. *Using Geochemical and Sedimentological Trends to Identify Pre- and Post- Settlement Boundaries in*

- Floodplain Deposits of the North Carolina Piedmont*. 103rd Annual Meeting of the Association of American Geographers, San Francisco, California.
37. Curtis, S., Crawford, T., and **Lecce, S.A.** 2006. *A Comparison of TRMM to Other Basin-Scale Estimates of Rainfall during the 1999 Hurricane Floyd Flood*. Annual Meeting of the Southeastern Division of the Association of American Geographers, Morgantown, West Virginia.
 36. **Lecce, S.A.**, Pavlowsky, R.T., and Schlomer, G.J. 2006. *Mercury Contamination of Floodplain Sediments from Historic Gold Mining in North Carolina*. 37th Binghamton Symposium in Geomorphology, The Human Role in Changing Fluvial Systems, October 2006.
 35. Schlomer, G.J., Pavlowsky, R.T., and **Lecce, S.A.** 2006. *Use of Gold Mining-Related Mercury in Geochemical Profiles to Investigate Timing and Rates of Historical Floodplain Sedimentation in the North Carolina Piedmont*. 37th Binghamton Symposium in Geomorphology, The Human Role in Changing Fluvial Systems, October 2006.
 34. Beasley, O.A., and **Lecce, S.A.** 2006. *An Evaluation of a Depth-Proportional Intake Device for Automatic Water Samplers Measuring Suspended Sediment*. East Carolina University Undergraduate Research Symposium, Greenville, North Carolina.
 33. **Lecce, S.A.**, and Kotecki, E.S. 2006. *The 1999 Flood of the Century: Extraordinary Hydro-meteorological Event or Human-induced Catastrophe?* 102nd Annual Meeting of the Association of American Geographers, Chicago, Illinois.
 32. **Lecce, S.A.** 2005. *A Depth-Proportional Sampling Device for Automatic Water Samplers*. Annual Meeting of the Southeastern Division of the Association of American Geographers, West Palm Beach, Florida.
 31. **Lecce, S.A.**, Gares, P.A., and Pease, P.P., 2005. *Seasonal Variations in Sediment Flux through Agricultural Drainage Ditches on the Coastal Plain of North Carolina*. 101st Annual Meeting of the Association of American Geographers, Denver, Colorado.
 30. **Lecce, S.A.**, Pease, P.P., Gares, P.A., and Wang, J. 2004. *The Storage and Transport of Sediment in Agricultural Drainage Ditches on the Coastal Plain*. 100th Annual Meeting of the Association of American Geographers, Philadelphia, Pennsylvania.
 29. **Lecce, S.A.**, Pease, P.P., Gares, P.A., and Wang, J. 2002. *Suspended Sediment Transport in a Small, Coastal Plain Watershed*. Annual Meeting of the Southeastern Division of the Association of American Geographers, Richmond, Virginia.
 28. Pease, P.P., Gares, P.A., and **Lecce, S.A.** 2002. *Aeolian Dust Erosion from an Agricultural Field on the North Carolina Coastal Plain*. Annual Meeting of the Southeastern Division of the Association of American Geographers, Richmond, Virginia.
 27. Pavlowsky, R. T. and **Lecce, S. A.** 2002. *Geomorphic Controls on Geochemical Trends in Mining-Contaminated Floodplain Deposits*. 98th Annual Meeting of the Association of American Geographers, Los Angeles, California.
 26. **Lecce, S. A.** and Pavlowsky, R. T. 2001. *Dispersal of Mining-contaminated Sediments in Floodplains, Blue River, Wisconsin*. Annual Meeting of the Southeastern Division of the Association of American Geographers, Lexington, Kentucky.

25. Wang, J. and **Lecce, S. A.** 2001. *Suspended Sediment Transport in Agricultural Drainage Ditches on the Coastal Plain of North Carolina*. Annual Meeting of the Southeastern Division of the Association of American Geographers, Lexington, Kentucky.
24. Pease, P., **Lecce, S. A.**, and Gares, P. A. 2001. *Concentrations And Heavy Metal Contamination Of Overbank Deposits On The Floodplain Of The Tar River, NC, Following Hurricane Floyd*. Annual Meeting of the Southeastern Division of the Association of American Geographers, Lexington, Kentucky.
23. **Lecce, S. A.**, Pease, P. P., Gares, P. A., and Rigsby, C. A. 2001. *Sedimentation on the Tar River floodplain during the flood of 1999*, 97th Annual Meeting of the Association of American Geographers, New York, New York.
22. Pavlowsky, R. T. and **Lecce, S. A.** 2001. *Downstream changes in metal-grain size relationships in fluvial sediment from mined watersheds*, 97th Annual Meeting of the Association of American Geographers, New York, New York.
21. Pease, P. P., **Lecce, S. A.**, Gares, P. A., and Rigsby, C. A. 2000. *Sedimentation on the Floodplain of the Tar River Following Hurricane Floyd*, Of People, Place, and Progress: Extended Recovery on the Coastal Plain, East Carolina University, Greenville, North Carolina, May 24-26, 2000.
20. **Lecce, S. A.**, Pease, P. P., Gares, P. A., and Rigsby, C. A. 2000. *Sedimentation in the Tar River flood plain associated with Hurricane Floyd*, Hurricane Floyd and its Aftermath: Recovery in the Coastal Plain, East Carolina University, Greenville, North Carolina, May 24-26, 2000.
19. **Lecce, S. A.** and Pavlowsky, R. T. 2000. *Timing and rates of historical floodplain sedimentation*, 96th Annual Meeting of the Association of American Geographers, Pittsburgh, Pennsylvania.
18. Lange, M. and **Lecce, S. A.** 2000. *Channel narrowing and sediment storage in an agricultural drainage on the North Carolina Coastal Plain*, 96th Annual Meeting of the Association of American Geographers, Pittsburgh, Pennsylvania.
17. Lange, M. and **Lecce, S. A.** 1999. *Channel narrowing and sediment recycling in a Coastal Plain agricultural drainage basin, North Carolina*, Annual Meeting of the Southeastern Division of the Association of American Geographers, Tampa, Florida.
16. **Lecce, S. A.** 1999. *Spatial variations in the timing of annual floods*, 95th Annual Meeting of the Association of American Geographers, Honolulu, Hawaii.
15. Pavlowsky, R. T. and **Lecce, S. A.** 1999. *Use of geochemical tracers to study floodplain sedimentation patterns in mined watersheds*, 95th Annual Meeting of the Association of American Geographers, Honolulu, Hawaii.
14. Pavlowsky, R. T., **Lecce, S. A.**, and Carlson, J. 1998. *Use of Zn-Pb mining contaminants to evaluate sedimentation patterns in Midwestern streams (USA)*, Tracers in Geomorphology, Meeting of the British Geomorphological Research Group, University of Coventry, London, U.K.
13. **Lecce, S. A.** and Pavlowsky, R. T. 1998. *Lateral variability of sediment-associated metal contamination in floodplains*, 94th Annual Meeting of the Association of American Geographers, Boston, Massachusetts.

12. **Lecce, S. A.** and Pavlowsky, R. T. 1997. *Impacts of channelization on channel stability in a suburban watershed*, 93rd Annual Meeting of the Association of American Geographers, Fort Worth, Texas.
11. **Lecce, S. A.** and Pavlowsky, R. T. 1996. *Floodplains as long-term sources of metal contamination in mined watersheds*, 92nd Annual Meeting of the Association of American Geographers, Charlotte, North Carolina.
10. **Lecce, S. A.** and Pavlowsky, R. T. 1995. *Mining sediments as tracers in alluvial deposits*, 91st Annual Meeting of the Association of American Geographers, Chicago, Illinois.
9. **Lecce, S. A.** 1994. *Downstream changes in channel shape along the Blue River, Wisconsin*, 90th Annual Meeting of the Association of American Geographers, San Francisco, California.
8. **Lecce, S. A.** 1993. *Floodplain sediment storage in the Blue River Basin, Wisconsin*, 89th Annual Meeting of the Association of American Geographers, Atlanta, Georgia.
7. **Lecce, S. A.** 1992. *Spatial variation of stream power, Blue River watershed, Wisconsin*, 88th Annual Meeting of the Association of American Geographers, San Diego, California.
6. **Lecce, S. A.** 1990. *Hydroglaciology of Conness Glacier, California*, 86th Annual Meeting of the Association of American Geographers, Toronto, Canada.
5. **Lecce, S. A.** 1988. *Alluvial fan morphometry in the White and Inyo Mountains, California and Nevada*, 84th Annual Meeting of the Association of American Geographers, Phoenix, Arizona.
4. **Lecce, S. A.** 1988. *McDowell Crossing*, The Salt and Gila River Field Trip, Geomorphology Specialty Group, 84th Annual Meeting of the Association of American Geographers, Phoenix, Arizona.
3. **Lecce, S. A.** 1988. *Gillespie Dam*, The Salt and Gila River Field Trip, Geomorphology Specialty Group, 84th Annual Meeting of the Association of American Geographers, Phoenix, Arizona.
2. **Lecce, S. A.** 1987. *Tectonic geomorphology in the White Mountains and Inyo Mountains of California and Nevada*, Annual Meeting of the Arizona-Nevada Academy of Science, Northern Arizona University, Flagstaff, Arizona.
1. **Lecce, S. A.** 1987. *Spatial variation of alluvial fan morphometry in the White Mountains, California*, 83rd Annual Meeting of the Association of American Geographers, Portland, Oregon.

INVITED PRESENTATIONS

12. **Lecce, S.A.** 2018. Effects of stormwater on urban streams: Meeting House Branch. Greenville Stormwater Advisory Committee.
11. **Lecce, S.A.** and Pavlowsky, R.T. 2014. *Dispersal and storage of mining sediment in river systems*. Invited lecture, Coastal Water Resources Center, Institute for Coastal Science and Policy, East Carolina University.
10. **Lecce, S.A.** 2012. *Potential Stream Channel Change along Blounts Creek*. Invited lecture at Pamlico-Tar River Foundation-Sponsored Forum on Blount's Creek and Impacts from Proposed Martin Marietta Materials Mine. This forum was intended to provide

- scientific data and discussion of the current status of the creek and potential ecosystem impacts (focus on fisheries), hydrologic change (flooding, erosion, etc.), and alternate uses of the pumped water.
9. **Lecce, S.A.** 2012. *Heavy Metal Contamination of Floodplain Sediments from Historic Gold Mining in North Carolina*. Invited lecture in GEOL 5150: The Geologic Component of Environmental Science.
 8. **Lecce, S.A.** 2009. *Mercury Contamination of Floodplain Sediments from Historic Gold Mining in North Carolina*. Invited lecture in GEOL 5150: The Geologic Component of Environmental Science.
 7. **Lecce, S.A.** 2007. *The Legacy of Nineteenth-Century Gold Mining in North Carolina*. Invited lecture at the East Carolina University Department of Geography Colloquium Series.
 6. **Lecce, S.A.** 2007. *The Legacy of Nineteenth-Century Gold Mining in North Carolina*. Distinguished lecture at the Annual North Carolina Geographical Society Meeting, Charlotte, North Carolina, 6 October 2007.
 5. **Lecce, S.A.** 2005. *Lessons from the Flood of the Century*. Invited lecture to the Kiwanis Club, Greenville, North Carolina.
 4. **Lecce, S.A.** 2005. *Sediment Budget in a Small Coastal Plain Watershed*. Invited lecture, Department of Geology, East Carolina University.
 3. **Lecce, S.A.** 2005. *Sediment Delivery in a Small Coastal Plain Watershed*. Invited lecture, Department of Earth Sciences, University of North Carolina, Wilmington.
 2. **Lecce, S. A.** 2001. *Accelerated rates of historical floodplain sedimentation*. Invited lecture, Department of Geology, East Carolina University.
 1. **Lecce, S. A.** 1993. *Stream power and historical sediment storage on floodplains in southwestern Wisconsin*. Invited lecture, Indiana State University Geography and Geology Colloquium Series, Terre Haute, Indiana.

CONFERENCE PAPER DISCUSSANT

- 2013 Session Discussant for special session, "Legacy Sediment in the New World." 109th Annual Meeting of the Association of American Geographers, Los Angeles, California.
- 2013 Session Discussant for special session, "Fluvial Legacies: Enduring Influences of Channel Changes." 109th Annual Meeting of the Association of American Geographers, Los Angeles, California.
- 2004 Paper Discussant, Annual Meeting of the Southeastern Division of the Association of American Geographers, Biloxi, Mississippi.
- 2003 Paper Discussant, Annual Meeting of the Southeastern Division of the Association of American Geographers, Charlotte, North Carolina.
- 2002 Paper Discussant, Annual Meeting of the Southeastern Division of the Association of American Geographers, Richmond, Virginia.
- 2001 Paper Discussant, Annual Meeting of the Southeastern Division of the Association of American Geographers, Lexington, Kentucky.

- 2000 Paper Discussant, Annual Meeting of the Southeastern Division of the Association of American Geographers, Chapel Hill, North Carolina.
- 1999 Paper Discussant, Annual Meeting of the Southeastern Division of the Association of American Geographers, Tampa, Florida.
- 1997 Paper Discussant, Annual Meeting of the Southeastern Division of the Association of American Geographers, Birmingham, Alabama.
- 1996 Paper Discussant, Annual Meeting of the Southeastern Division of the Association of American Geographers, Athens, Georgia.
- 1995 Paper Discussant, Annual Meeting of the Southeastern Division of the Association of American Geographers, Knoxville, Tennessee.

CONFERENCE SESSION PANELIST

- 2017 “Publication and Peer Review in Physical Geography.” Special Panel Session, 113th Annual Meeting of the American Association of Geographers, Boston, Massachusetts.
- 2007 “Writing and Publishing for Early Career Faculty and Graduate Students.” Special Panel Session, Annual Meeting of the Southeastern Division of the Association of American Geographers, Charleston, South Carolina.

CONFERENCE SESSION ORGANIZER

- 2016 “Anthropogenic Fluvial Sediment and Geomorphic Responses.” Special Session co-organizer (with Allan James). 112th Annual Meeting of the Association of American Geographers, San Francisco, California.
- 2013 “Legacy Sediment in the New World.” Special Session co-organizer (with Allan James). 109th Annual Meeting of the Association of American Geographers, Los Angeles, California.
- 2013 “Fluvial Legacies: Enduring Influences of Channel Changes.” Special Session co-organizer (with Allan James). 109th Annual Meeting of the Association of American Geographers, Los Angeles, California.
- 2009 “Fluvial Processes and Small Southeastern Watersheds I.” Special Session co-organizer (with Allan James and Lisa Davis). Annual Meeting of the Southeastern Division of the Association of American Geographers, Knoxville, Tennessee.
- 2009 “Fluvial Processes and Small Southeastern Watersheds II.” Special Session co-organizer (with Allan James and Lisa Davis). Annual Meeting of the Southeastern Division of the Association of American Geographers, Knoxville, Tennessee.
- 2009 “Taylor-Francis/Routledge Distinguished Lecture on Geomorphology and Society.” Session organizer and introducer. Presenter: James C. Knox, *Flood Geomorphology in the Upper Mississippi Valley*. 105th Annual Meeting of the Association of American Geographers, Las Vegas, Nevada.

- 2009 “The Geomorphology Specialty Group After 30 Years: Looking Back, Looking Forward.” Panel session organizer. 105th Annual Meeting of the Association of American Geographers, Las Vegas, Nevada.
- 2008 “Geomorphology Specialty Group Graduate Student Paper Competition I.” Organizer and chair of Honors Session. 104th Annual Meeting of the Association of American Geographers, Boston, Massachusetts.
- 2008 “Geomorphology Specialty Group Graduate Student Paper Competition II.” Organizer and chair of Honors Session. 104th Annual Meeting of the Association of American Geographers, Boston, Massachusetts.
- 2008 “Geomorphology Specialty Group Graduate Student Paper Competition III.” Organizer and chair of Honors Session. 104th Annual Meeting of the Association of American Geographers, Boston, Massachusetts.
- 2004 “Learning to Publish: The Rules, Risks, and Rewards.” Panel discussion sponsored by the *Southeastern Geographer* and the Committee on the Status of Women in Geography, Annual Meeting of the Southeastern Division of the Association of American Geographers, Biloxi, Mississippi.
- 2003 *Southeastern Geographer*: “Looking Back, Looking Forward.” Panel discussion sponsored by the *Southeastern Geographer* in honor of outgoing editor James O. Wheeler, Annual Meeting of the Southeastern Division of the Association of American Geographers, Charlotte, North Carolina.

EDITORIAL SERVICE

Co-Editor-in-Chief, *Geomorphology*, 2016-present.

Editorial Board member, *Geomorphology*, 2011-2016.

Editorial Board member, *The Southeastern Geographer*, Journal of the Southeastern Division of the Association of American Geographers, 2007-2016.

Co-Editor (with Allan James and Jonathan Phillips), special issue in *Geomorphology* on “Anthropogenic Sedimentation: A centennial tribute to G.K. Gilbert”, 2017.

Co-Editor (with Allan James and Lisa Davis), special issue in the *Southeastern Geographer* on “Fluvial Processes and Small Southeastern Watersheds”, 2010.

Co-Editor (with Derek Alderman), *The Southeastern Geographer*, Journal of the Southeastern Division of the Association of American Geographers, 2003-2007.

Associate Editor, *The Salt and Gila Rivers in Central Arizona: A Geographic Field Guide*, 1988, Department of Geography Publication 3, Arizona State University.

GRANT PROPOSAL REVIEWER

National Science Foundation Doctoral Dissertation Improvement Grant Remote Panelist,
2014

National Science Foundation Doctoral Dissertation Improvement Grant Advisory Panel,
2010-1012

National Science Foundation

American Chemical Society

U.S. Civilian Research and Development Foundation

MANUSCRIPT REVIEWER

Annals of the Association of American Geographers

Professional Geographer

Journal of Geophysical Research - Earth Surface

Geophysical Research Letters

Geomorphology

Earth Surface Processes and Landforms

Journal of Hydrology

Water Resources Research

Geology

Hydrological Processes

Sedimentology

Catena

Journal of the American Water Resources Association

Journal of Environmental Quality

Journal of Environmental Management

Journal of Flood Risk Management

Anthropocene

Journal of Geography

Journal of Soils and Sediments

Southeastern Geographer

Southeastern Geology

North Carolina Geographer

EXTERNAL REVIEWS FOR TENURE AND PROMOTION

Promotion to Full Professor (4)

Tenure (2)

AWARDS AND HONOR SOCIETIES

2000

College Research Award, College of Arts and Sciences, East Carolina
University

- 1993 Graduate Student Professional Publication Award, University of Wisconsin-Madison, for 'Flow separation and diurnal variations in the hydrology of Conness Glacier, Sierra Nevada, California', (1993), *Journal of Glaciology*, 39(132):216-222.
- 1986 Regents Graduate Academic Scholarship, Arizona State University
- 1985 Phi Beta Kappa, University of California, Berkeley

SERVICE, Departmental Service

- 2020-2021 Advisory Committee (member)
- 2018-2019 Post-Tenure Review Committee (chair)
- 2018-2019 Advisory Committee (member)
- 2018- Graduate Committee (member)
- 2016-2017 Department Chair Search Committee (member)
- 2015-2017 Unit Code Revising/Rewriting Committee (chair)
- 2015-2016 Advisory Committee (member)
- 2015 Faculty Search Committee (chair)
- 2014-2017 Undergraduate Committee (member)
- 2013- Assessment Committee (co-chair)
- 2013-2014 Post-Tenure Review Committee (chair)
- 2012-2013 Advisory Committee (member)
- 2012-2013 Colloquium Committee Co-coordinator
- 2010-2013 Personnel Committee (chair)
- 2002- Tenure Committee (member)
- 2002-2016 Faculty Senate (alternate)
- 2001-2012 Department Safety Representative
- 2001- Sediment Analysis Lab Director
- 2000- Personnel Committee (member)
- 2009-2011 Curriculum Committee (member)
- 2008-2009 Department Chair Search Committee (member)
- 2008-2009 Advisory Committee (member)
- 2005-2011 Web Master
- 2007-2008 Unit Code Revising/Rewriting Committee (member)
- 2001-2006 Social Committee (member)
- 2006-2007 Advisory Committee (member)
- 2006-2007 Faculty Search Committee (chair)
- 1998-2006 Graduate Committee (member)
- 2003 Department Commencement Speaker (Spring)
- 2002-2003 Faculty Search Committee (member)
- 2002-2005 Marketing Coordinator
- 2001-2005 Graduate Coordinator
- 2001-2005 Graduate Committee (chair)
- 1998-2001 Social Committee (chair)
- 1998-99 Equipment Committee (member)

1998-99	Space Committee (member)
1997-98	Faculty Search Committee (chair), University of Southern Mississippi
1996-98	Lab Committee (member), University of Southern Mississippi
1994-98	Undergraduate Coordinator, University of Southern Mississippi
1994-96	Curriculum Committee (member), University of Southern Mississippi
1993-94	Physical Geography Committee (member), Indiana State University
1993-94	Colloquium Committee (member), Indiana State University
1993-94	Physical Geography Laboratory Coordinator, Indiana State University
1987-88	Faculty Search Committee (member), Arizona State University

SERVICE, PhD Dissertation Chair

2012	L.J. Palmer-Moloney, <i>Human-Environment Interaction and Water Complexities: Mustering Science and Policy for a Coastal Resources Management Approach to Counterinsurgency (COIN) Operations</i> . Coastal Resources Management Program, East Carolina University (co-chair with Derek Alderman)
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SERVICE, Master's Thesis Chair

2016	Jessy Van Horn, <i>Lateral Stream Migration Rates in the Blue River Watershed, Wisconsin</i> . Department of Geography, Planning and Environment, East Carolina University (won Best Graduate Student Poster at the 2014 and 2015 SEDAAG conferences).
2006	Erica S. Kotecki, M.A., <i>The Flood of the Century: Extraordinary Hydrometeorological Event or Human-induced Catastrophe?</i> Department of Geography, East Carolina University
2002	Jingyu Wang, M.A., <i>Suspended Sediment Transport in Agricultural Drainage Ditches on the Coastal Plain of North Carolina</i> . Department of Geography, East Carolina University

SERVICE, Master's Thesis Committee Member

in progress	Kathryn Christoff
in progress	Ryann Knowles
2017	Kailey Adams, <i>Autogenic controls on debris-flow fans with limited accommodation space: laboratory experiments informed by a field example</i> . Department of Geography, Planning and Environment, East Carolina University (Advisor: Thad Wasklewicz)
did not finish	Gwenda Bassett, Missouri State University (Advisor: Robert Pavlowsky)
did not finish	Mitch Haynes, Department of Geography, Planning and Environment, East Carolina University (Advisor: Thad Wasklewicz)

- 2013 Alex Smith, *Annual and Seasonal Geomorphology of a Trough Blowout, Cape Cod National Seashore, USA*. Department of Geography, East Carolina University (Advisor: Paul Gares)
- 2013 Zachary Aardweg, East Carolina University, *Can Nutrient Additions Mediate Gape Limited Predation in Larval *Rana sphenoccephala*?* Department of Biology, East Carolina University (Advisor: Heather Vance Chalcraft)
- 2012 Cal R. Scheinert, M.A. *Debris Flow Fan Evolution, Chalk Creek Natural Debris Flow Laboratory, Colorado*. Department of Geography, East Carolina University (Advisor: Thad Wasklewicz)
- 2011 Thad Wester, *Functional and structural sediment connectivity within a recently burned basin*. Department of Geography, East Carolina University (Advisor: Thad Wasklewicz)
- 2009 Christy Swan, M.A., *Frequency/Magnitude of Aeolian Events*, Department of Geography, East Carolina University (Advisor: Paul Gares)
- 2007 Jason Soban, M.S., *Stream Channel Response to Urban Land Use in the Inner Coastal Plain of North Carolina*, Department of Geological Sciences, East Carolina University (Advisor: Michael O'Driscoll)
- 2007 Lindsay Wolter, M.A., *Stormwater Runoff Management: A Case Study of Short Term Solutions for Pitt County Planning Department in the Area of Winterville, NC*, Department of Geography, East Carolina University (Advisor: Paul Gares)
- 2006 Timothy Tresohlavy, M.A., *Stormwater Runoff in North Carolina's Tar-Pamlico River Basin: Analyzing the Potential for Runoff and Stakeholder Perceptions of Urban Stormwater Rules*, Department of Geography, East Carolina University
- 2005 Brian Chambers, M.A., *Coastal Urbanization and Tidal Creek Water Quality*, Department of Geography, East Carolina University
- 2004 James Tripp, M.A., *Flood Insurance and Hazard Mitigation: The Role of the Community Rating System*. Department of Geography, East Carolina University (Advisor: Derek Alderman)
- 2003 Tao Zheng, M.A., *Mapping Flood Extent Using Hydraulic Models and JERS-1 SAR Data on the Tar River Floodplain*. Department of Geography, East Carolina University (Advisor: Yong Wang)
- 2003 Brandon Grieve, M.A., *The Influence of Catchment and Bathymetry Characteristics on the Spatial Distribution of Sedimentation in Alpine Lakes*. Department of Geography, East Carolina University (Advisor: Patrick Pease)
- 2003 Renee Farabaugh, M.S., *History of Terrace Development and Fluvial Sedimentology of the Rio Ramis Valley, Peru: Indicators of Climatic Effects on Fluvial Landscapes*, Department of Geology, East Carolina University (Advisor: Catherine Rigsby)
- 2002 Aaryn Jones, M.S., *Subcritical Water Degradation and Extraction of Organochlorine Pollutants from Environmental Solids*, Department of Chemistry, East Carolina University

- 2000 Mark Lange, (M.S.), *Beach and Bar Dynamics on a Low-Energy, Micro-Tidal Coast, Cedar Island, North Carolina*, Department of Geography, East Carolina University (Advisor: Paul Gares)
- 2000 Kent Keeter, (M.A.), East Carolina University (Advisor: Paul Gares)
- 1997 William Patterson, (M.S.), University of Southern Mississippi
- 1997 Wayne N. Dick, (M.S.), University of Southern Mississippi
- 1996 Robert M. Shelton, (M.S.), University of Southern Mississippi
- 1995 Jeanne C. Allen (M.S.), University of Southern Mississippi
- 1995 David W. Engel, (M.A.), University of Southern Mississippi
- 1995 Muna A. Eltom, (M.S.), University of Southern Mississippi
- 1994 Patrick Pease (M.A. in Geology), Indiana State University (Advisor: Basil Gomez)

SERVICE, Senior Thesis Advisor

- 1998 Mary A. Boulton (now Lisa Davis) (B.A.), University of Southern Mississippi

SERVICE, Undergraduate Honors Research Assistant Project

- 2005-2006 Orrin Beasley, *Calibration of a Depth-proportional Suspended Sediment Sampler*. Chemistry major, East Carolina University

SERVICE, College/University Service

- 2017-2018 Search Committee (member), Water Resources Cluster Hire
- 2016-2017 Hurricane Matthew Recovery Team
- 2013- Space Allocation Committee
- 2014-2016 University Environment Committee
- 2002-2016 Faculty Senate Representative (alternate)
- 2012-2013 Search Committee (member) for Director of the ECU Coastal Water Resources Center
- 2007 Physical Science Review Panel for the Research Development Award Program, Division of Research and Graduate Studies, East Carolina University
- 2002-2007 Administrative Board of the Graduate School, Social Sciences Division (alternate)
- 2003-2006 Graduate Credits and Retention Committee, Graduate School Administrative Board
- 2002-2003 Integrative Biological Sciences Doctoral Program Planning Committee
- 2002 College Research Award Committee, College of Arts and Sciences
- 1995-1998 College Council Representative (member), College of Liberal Arts, University of Southern Mississippi

SERVICE, Professional Organizations

2019-2014	Member, Steering Committee, Binghamton Geomorphology Symposium
	Member, National Science Foundation Doctoral Dissertation Improvement Grant Advisory Panel
2012	Program Committee (member), SEDAAG, Annual Meeting, Asheville, NC
2011	Program Committee (member), SEDAAG, Annual Meeting, Savanna, GA
2010-2012	Member, National Science Foundation Doctoral Dissertation Improvement Grant Advisory Panel
2008-2009	Chair, Geomorphology Specialty Group, Association of American Geographers
2007-2008	Secretary-Treasurer & Geomorphorum editor, Geomorphology Specialty Group, Association of American Geographers
2007-2008	Awards Committee (chair), Geomorphology Specialty Group, Association of American Geographers
2005-2007	Awards Committee (member), Geomorphology Specialty Group, Association of American Geographers
2006	Search Committee for <i>Southeastern Geographer</i> editor (member), SEDAAG
2003-2007	Co-editor, <i>Southeastern Geographer</i>
2003-2007	Steering Committee (member), SEDAAG
2002	Audit Committee (member), SEDAAG
1999	Program Committee (member), SEDAAG, Annual Meeting, Chapel Hill, NC
1996	Team Coordinator, Mississippi World Geography Bowl Team

MASS MEDIA OUTREACH

Interviewed about flooding on the Tar River by Brandon Truitt, WNCT-9, April 26, 2017.

Interviewed and research highlighted in magazine article, "Poisonous evidence: North Carolina's Gold Hill District remains a repository for mercury waste from long-abandoned gold mines." *Exploration Discovery*, spring 2007.

Interviewed about sea level rise by Tom Brockman, WNCT-TV Eyewitness News, March 27, 2006.

Interviewed on live radio talk show (91.3FM WZMB) about floodplain development issues on the Tar River, Greenville, NC. Feb. 2005.

Research highlighted in magazine article, "Not in a Thousand Years." *Edge*, East Carolina University Publication, spring 2000, p. 10-11.

Interviewed and research highlighted, "A Notch above the Norm." *The East Carolinian*, spring 1999.

PROFESSIONAL ORGANIZATION MEMBERSHIPS

Association of American Geographers, Geomorphology Specialty Group
Southeastern Division of the Association of American Geographers
Geological Society of America, Quaternary Geology and Geomorphology Division

COURSES TAUGHT

East Carolina University

GEOG 1000: Introduction to Geography
GEOG 1250: The Water Planet
GEOG 1300/2200: Weather and Climate
GEOG 2250: Earth Surface Systems
GEOG 3220/4220: Soil Properties, Surveys, and Applications
GEOG 4210: Fluvial and Hydrological Processes
GEOG 5283: Selected Topics in Physical Geography
GEOG 6200: Seminar in Physical Geography
GEOG 6210: Advanced Fluvial and Hydrological Processes
Other: Workshop instructor for summer institute on *Monitoring the Environment*,
Dwight D. Eisenhower Professional Development Program

University of Southern Mississippi

GHY 101: World Regional Geography
GHY 102: Introduction to Geography
GHY 323: Weather and Climate
GHY 325: Applied Physical Geography
GHY 327: Earth Surface Processes and Environments
GHY 473/573: Water Resources
GHY 474/574: Watershed Management
GHY 673: Seminar in Water Resources

Indiana State University

GEO 111: Man's Physical Environment

Indiana University-Purdue University at Indianapolis

G 107: Physical Systems of the Environment

University of Wisconsin-Madison

GHY 120: Global Physical Environments